

SmartCounter A+ Installation Guide

Presence & Dwell Time

Version 1.0.1

Contents

Overview	3
Installation and Deployment	3
Installation Instructions	7

Overview

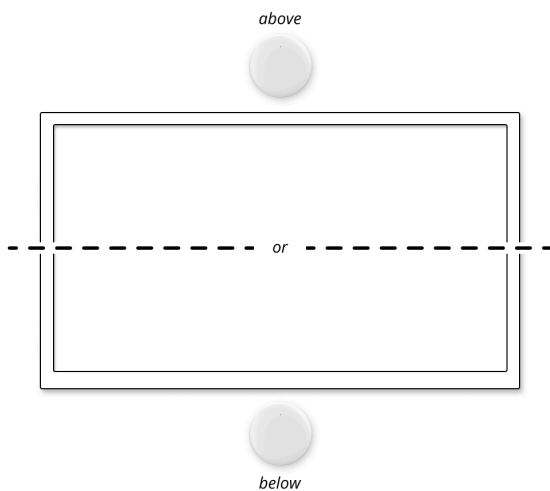
The SmartCounter is designed to track how many people engage with displays and advertisements. Small, precise, and cost-effective, SmartCounter covers large areas using advanced technology, without a camera, and provides accurate counts of people who pass by, dwell, and view display content.

Wireless mode	Bluetooth® LE
Broadcast range	Up to 150 meters (open environment)
Radar frequency	60GHz
Functional category	Human presence detection
Installation height	2.5m~4.0m
Detection angle	120°
Detection range	Ceiling installation, projected ground radius 3 meters (Diameter 6m)
Interference source isolation Settings	6 groups of door/window positions can be set to eliminate interference areas
Operating temperature	-10°C~+60°C
Operating humidity	≤95%RH, no condensation
Power supply	DC12V
Size	Φ83*21mm (main body) Φ66*6.1mm (mounting base)
Installation mode	Ceiling mounted, magnetic

Installation and Deployment

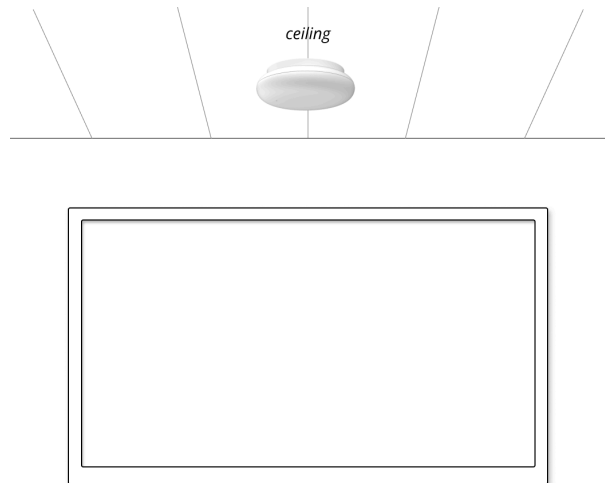
Mounting Methods

Method 1: Above or below the Display

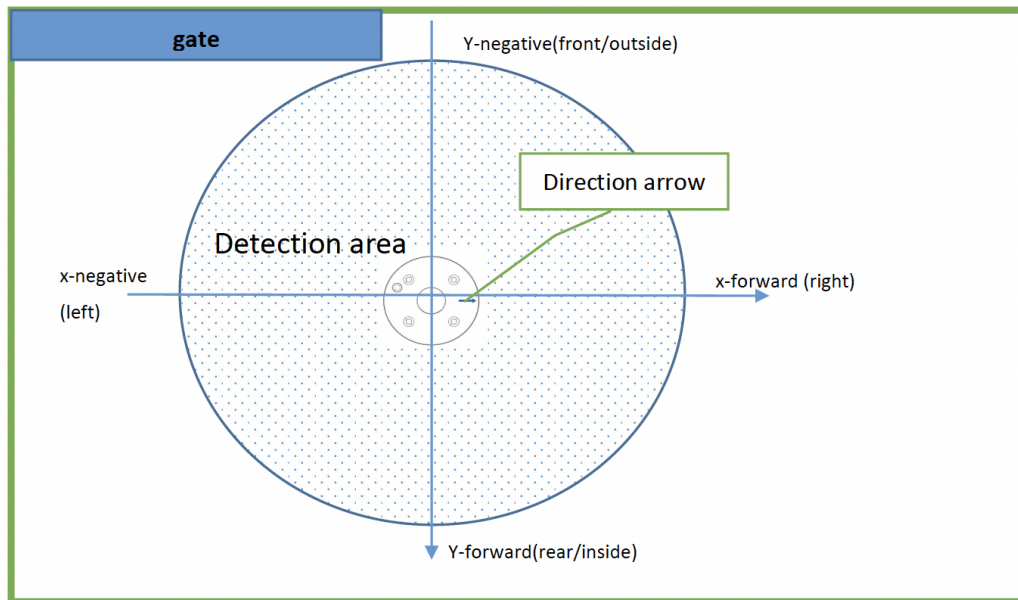


Point the arrow to the display. Mount the SmartCounters on the same wall, either above or below, the display.

*Method 2: Perpendicular to the Display
(recommended)*

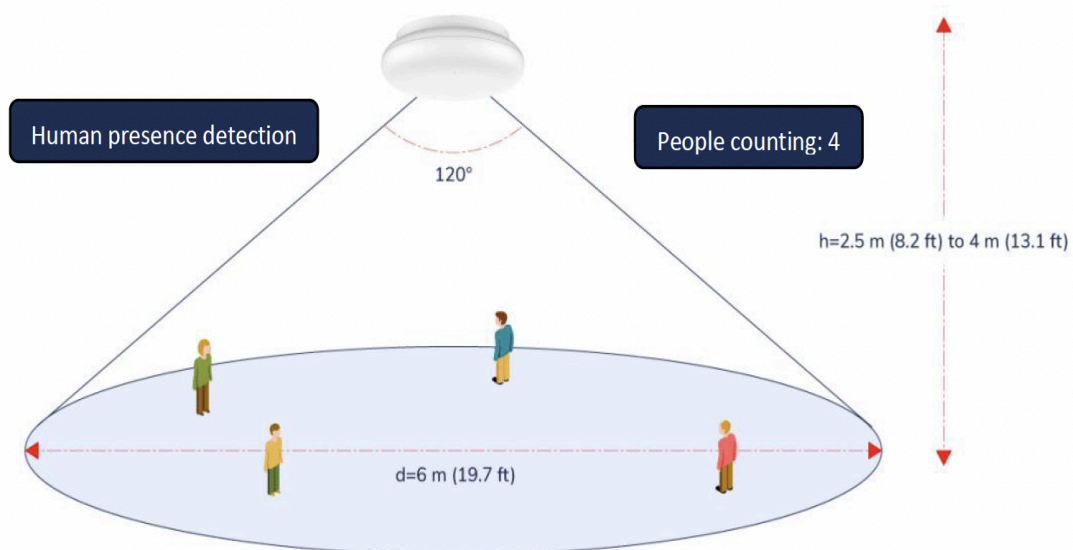


Point the arrow to the display. Mount the SmartCounter on the ceiling above the display. This is the recommended installation method.



Mounting direction: The base arrow faces perpendicular to either wall. To facilitate the establishment of coordinate systems.

Coordinate system: X and Y axis directions as shown in the figure.

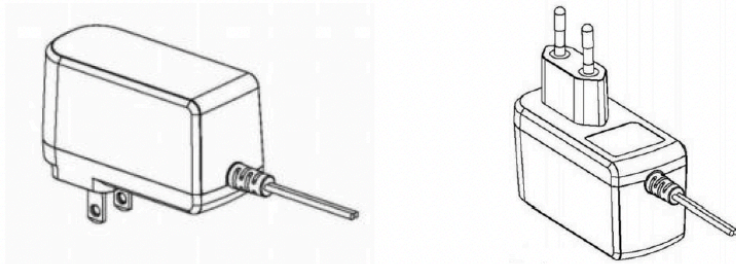


Installation Instructions

Accessories:

Four self-tapping screws are standard. The installation is supported by drilling holes and an expansion rubber plug is required. DC adapter cable, DC adapter, and double-sided adhesive accessories can also be selected.

(1) DC adapter



Adapter diagram, In kind prevail.

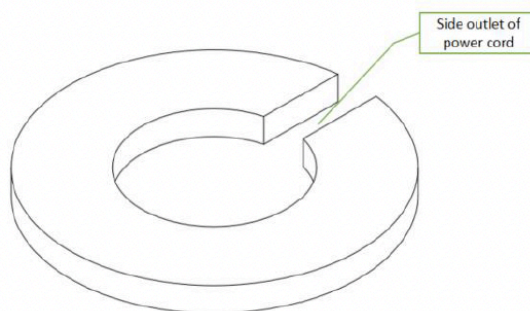
(2) DC adapter cable



①: Copper wire connects to the product power terminal. Red to the positive, black to the negative.

②: The DC female connector connects to the DC male connector of the power adapter.

(3) Double-sided adhesive



Instruction: convenience-top installation allows the power cable to exit from the side, avoiding the protrusion of the power cable at the bottom and ensuring stable installation.

Installation Steps:

STEP 1:

Select the installation location.

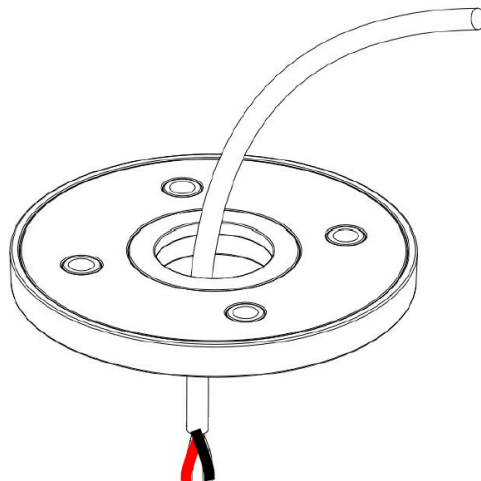
1. Select a base installation position according to deployment instructions. It is recommended to install the center line above the door.
2. Ensure that the power cable can pass through the hole of the base from top to bottom.
3. When installing the base, the indicator arrow on the base is parallel to the wall where the door is located. When viewed from the inside towards the outside of the door, the arrow points to the right.
4. **If you are going to use SmartCounter with the display to count the number of people passing in front of it, ensure that the arrow is pointing toward the display. When installing the base, the indicator arrow on the base should be directed towards the display.**

STEP 2:

There are 2 possible methods to mount the base.

Method 1: Screw Installation (suitable for power supply directly from the ceiling)

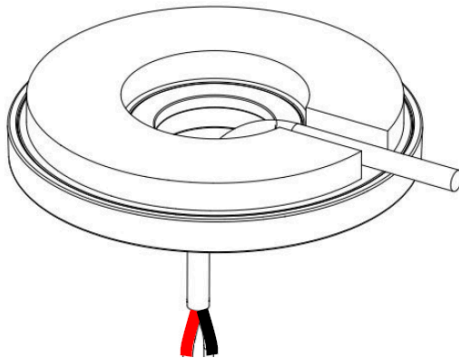
1. Thread the power cable through the central hole of the base
2. Select the base installation position and ensure that the arrow direction is correct. Fasten the base with screws to the position where the holes have been drilled.



Method 2: Use the Installation Kit (applicable to side outlet of power cable)

1. Peel off the double-sided adhesive side and attach it to the back of the base. Thread the DC adapter cable through the central hole of the base.
2. After confirming the installation position and orientation of the base, tear off the other side of the double-sided tape. Paste it on the clean ceiling and press it slightly for 5-10 seconds.

Note: During installation, thread the DC adapter cable through the double-sided adhesive groove.



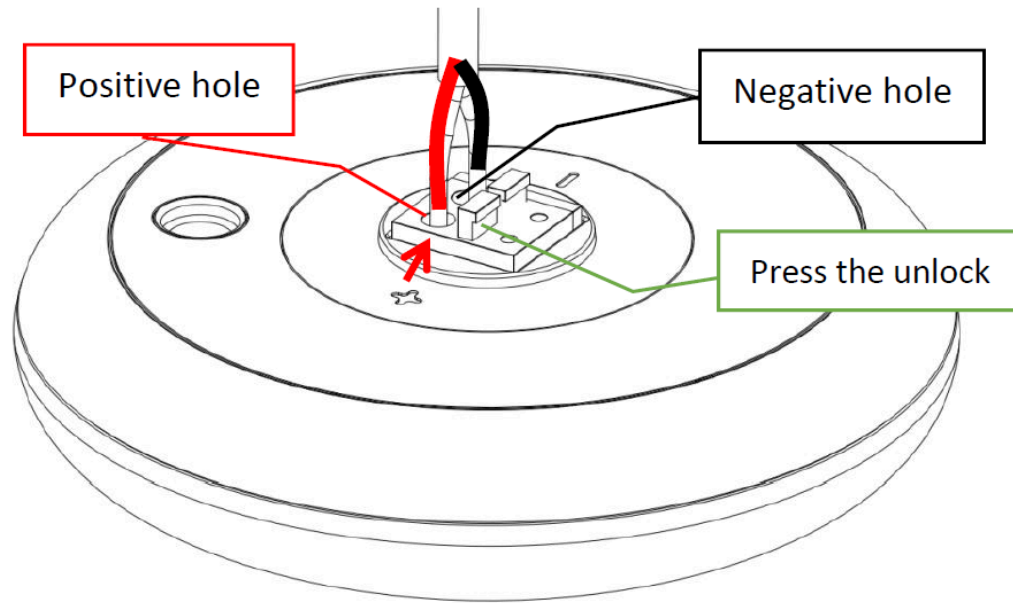
STEP 3:

Connect the power cable.

Insert the positive and negative terminals of the DC power cable correctly into the power terminal holes of the device.

Note: Pay attention to the positive and negative polarity markings ("+" and "-") on the shell, correspondingly connect the wires, and do not reverse the connection.

Power terminal operation instructions:



Wiring: Insert the exposed terminals of the power cable directly into the corresponding positive and negative wire holes. Pay attention to the positive and negative polarity markings (“+” and “-”) on the shell. You can gently pull it to check. If it cannot be pulled out, it means the installation is correct.

Disconnecting the power cable: Press the latch above the power terminal slightly to pull out the power cable.

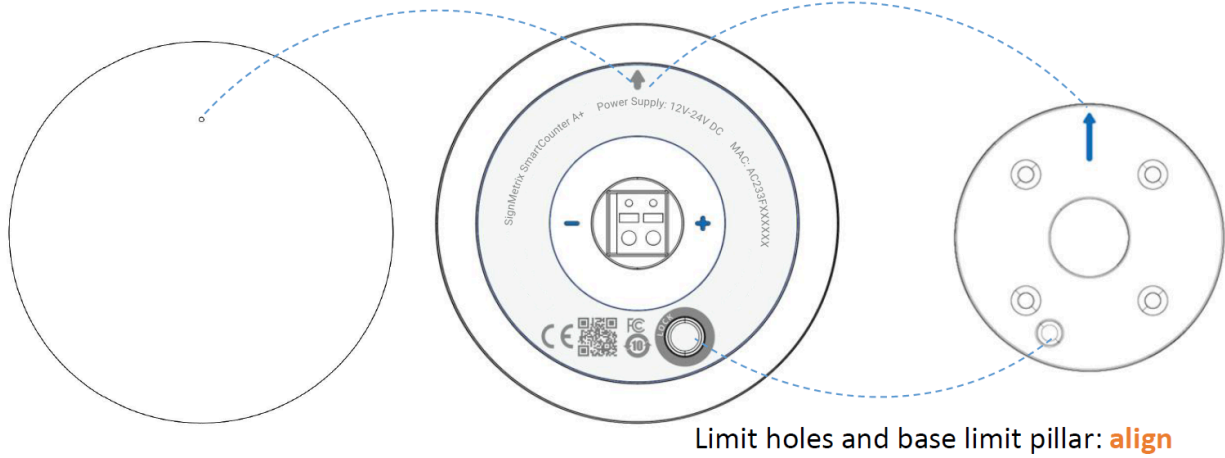
STEP 4:

Product Installation:

Align the device body with the base: Align the arrow on the product nameplate with the arrow on the base. In addition, the LED indicator can help confirm the direction, and the LED indicator is consistent with the direction indicated by the arrow.

After visual alignment, the product is magnetically attached to the mounting base. You can turn the product slightly to check whether the installation is successful. If it cannot be rotated, it means that the installation is in place. If it can be rotated, it needs to be adjusted: turn slightly to the left or right until the limit column of the bottom shell is stuck into the limit hole and cannot be rotated (with a “click” sound).

LED indicator light, arrow above the nameplate, arrow on the base: **In the same direction**



STEP 5:

Complete the installation and power-on test.

The installation is complete. You can power on the device to test it. The red light turns on once during power-on.